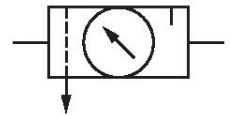


AVENTICS Series AS3 Air Preparation Units

The AVENTICS Series AS3 is a modular, versatile maintenance unit for universal application. This Series offers compact dimensions, is highly efficient, lightweight and easy-to-use. The AVENTICS Series AS guarantees reliability, safety, and efficiency with a simplified assembly and maintenance efforts.



Technical data

Industry

Parts

Components

Reservoir

Port

Nominal flow Qn

Filter porosity

Condensate drain

Pressure gauge

Min. working pressure

Max. working pressure

Min. ambient temperature

Max. ambient temperature

Min. regulation range

Max. regulation range

Lock type

Type

Type

Industrial

Air preparation units

Filter pressure regulator

Lubricator

reservoir, polycarbonate, with PA protective guard

G 3/8

3500 l/min

5 µm

semi-automatic, open without pressure with pressure gauge

1.5 bar

16 bar

-10 °C

50 °C

0.5 bar

8 bar

for padlocks

2-part

Can be assembled into blocks

Pressure supply	single
Mounting orientation	vertical
Regulator type	Diaphragm-type pressure regulator
Regulator function	with relieving air exhaust
Filter element	exchangeable
Filter reservoir volume	49 cm ³
Max. achievable compressed air class acc. to ISO 8573-1:2010	6 : 7 : -
Lubricator reservoir volume	80 cm ³
Type of filling	Semi-automatic oil filling during operation Manual oil filling
Medium	Compressed air Neutral gases
Weight	1.018 kg

Material

Housing material	Polyamide
Seal material	Acrylonitrile butadiene rubber
Material front plate	Acrylonitrile butadiene styrene
Material threaded bushing	Die cast zinc
Material reservoir	Polycarbonate
Material protective guard	Polyamide
Material filter insert	Polyethylene
Part No.	R412007298

Technical information

The pressure dew point must be at least 15 °C less than ambient and medium temperature and may not exceed 3 °C.

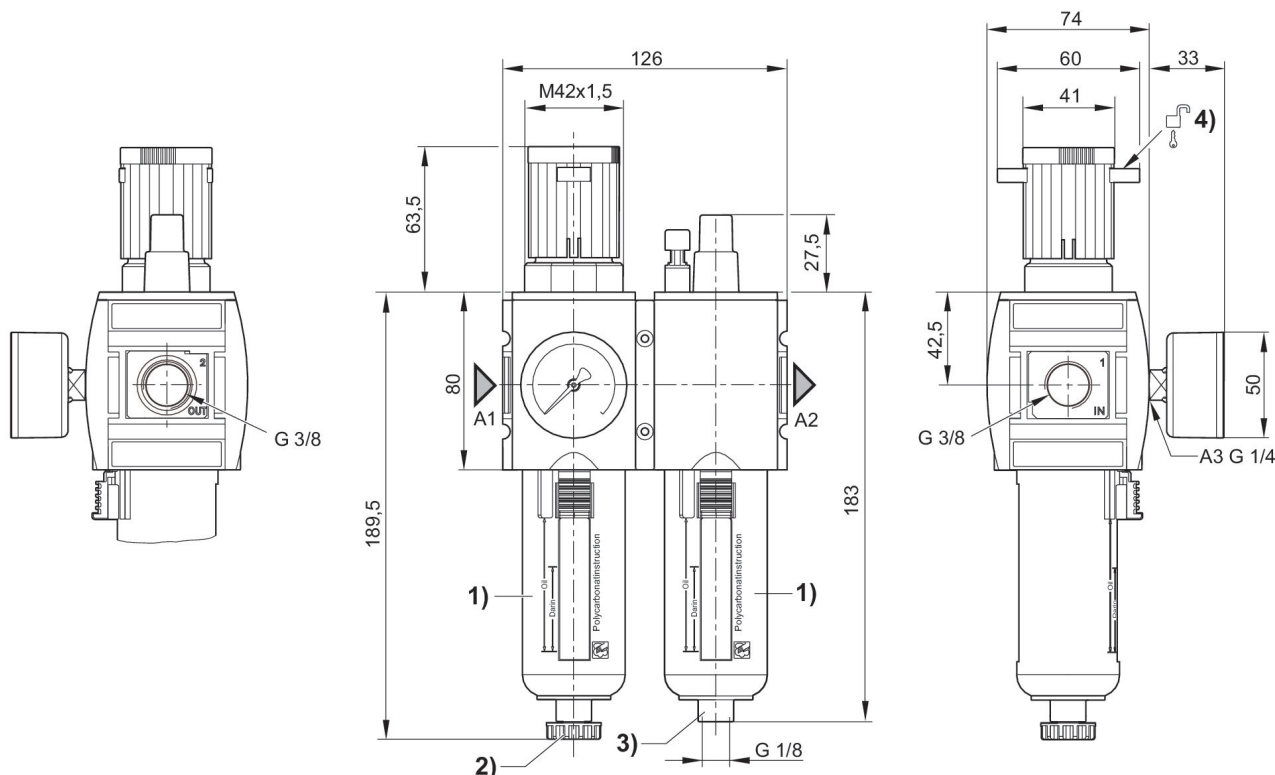
Note: Polycarbonate reservoirs are susceptible to solvents, supplementary information can be found at "Customer information".

A change in the flow direction (from air supply on the left to air supply on the right) occurs by rotating installation by 180° about the vertical axis. Please see the operating instructions for further details.

Also suitable for separation of fluid oil or water due to the design.

Nominal flow Q_n with secondary pressure p₂ = 6 bar at Δp = 1 bar

Dimensions in mm



A1 = input

A2 = output

A3 = pressure gauge connection

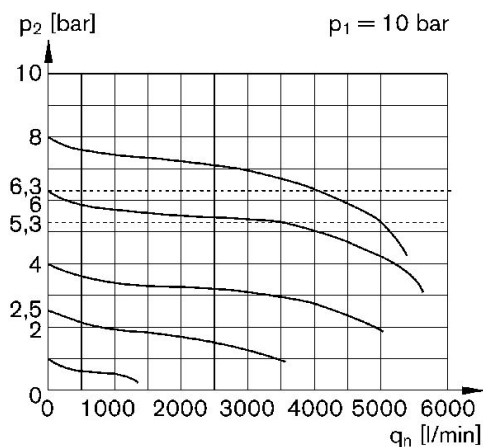
1) Plastic reservoir and protective guard with window

2) Semi-automatic condensate drain

3) Port for semi-automatic oil filling

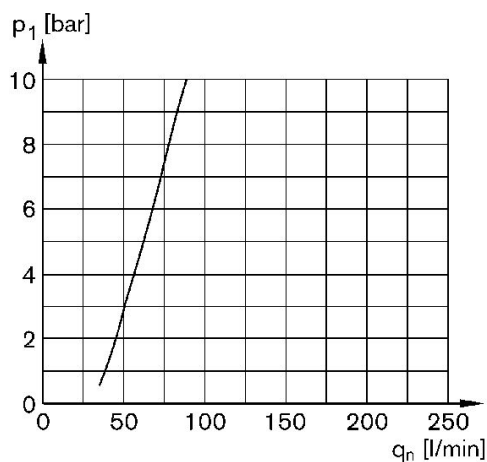
4) Mounting option for padlocks, max. shackle Ø 8

Flow rate characteristic (p₂: 0,5 - 8 bar)



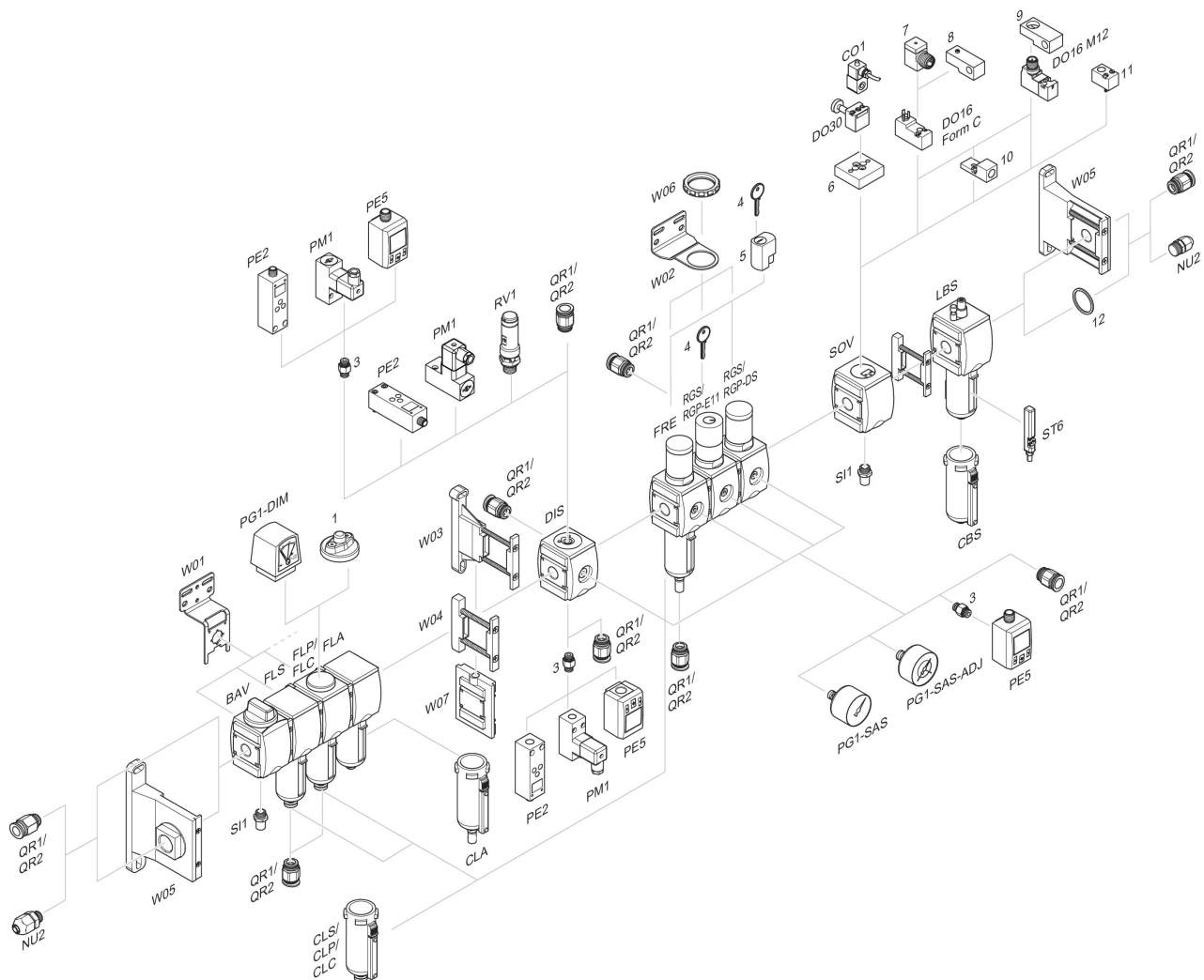
p₁ = Working pressure
p₂ = Secondary pressure
q_n = Nominal flow

Lubricator activation margin



p₁ = Working pressure
q_n = Nominal flow

Accessories overview



1 = contamination display 3 = Double nipple 4 = Key for E11 locking 5 = mortise lock 6 = Transition plate DO30 7 = Adapter, Series CON-VP 8 = Mounting aid DO16, form C 9 = Mounting aid DO16, M12 10 = Adapter for external pilot air 11 = Adapter pneumatic operation 12 = Sealing ring